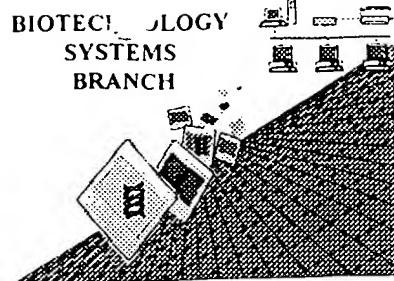


00280



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/771,536

Source: OIPE

Date Processed by STIC: 2-9-01

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST 25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).

Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be downloaded from the USPTO website at the following address:
<http://www.uspto.gov/web/offices/pac/checker>

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/771,536

DATE: 02/09/2001
TIME: 11:18:26

Input Set : A:\es.txt
Output Set: N:\CRF3\02092001\I771536.raw

1 <110> APPLICANT: Langridge, William Yu, Jie
W--> 2 <120> TITLE OF INVENTION: Transgenic Plant-Based Vaccines<130> 12273-3<140> to be
W--> 3 <140> CURRENT APPLICATION NUMBER: US/09/771,536
W--> 0 <130> FILE REFERENCE:
C--> 3 <141> CURRENT FILING DATE: 2001-01-29

Does Not Comply
Corrected Diskette Needed

ERRORED SEQUENCES

20 <210> SEQ ID NO: 2<211> 36<212> DNA<213> primer<400> 2
E--> 21 gctctagagc caccatgatt aaataaaaat ttggtg

36

SEQ P. 2

SEQUENCE LISTING <110> Langridge, William <140> to be
 Arakawa, Takeshi <120> Transgenic Plant-Based Vaccines <130> 12273-3 <140> assigned <141> 2001-01-29 <160> 15 <170> PatentIn version 3.0 <210> 1 <211>

Seg #1 376<212> DNA<213> Vibrio cholerae<400> 1
 atgattaaat taaaatttgg tgttttttt acagtttac tattttcagg atatgcacat 60
 ggaacaccc tc aaaaatttac tgatttggt gcagaatacc acaacacaca aatacatacg 120
 ctaaatgata agatattgtc gtatacagaa tctctagctg gaaacagaga gatggctatc 180
 attactttt a agaatggtgc aactttcaa gtagaagtac caggttgtca acatatacat 240
 tcacaaaaaa aagcgattga aaggatgaag gataccctga ggattgcata tcttactgaa 300
 gctaaagtgc aaaagttatg tgtatggaat aataaaacgc ctcatgcgt tgccgcaatt 360
 agtatggcaa attggc 376

format errors
 "hard returns"
 enter where arrows
 indicate.
 This error occurs through
 out the sequence listing.

Seq #2 <210> 2<211> 36<212> DNA<213> primer<400> 2
 gctctagagc caccatgatt aaatttttttgggtg 36

please check
 and correct.

Seq #3 <210> 3<211> 41<212> DNA<213> primer<400> 3
 ctggagctcg ggccccggcc catttgcatt actaatgcg g <220> which? see below 41

Seq #4 <210> 4<211> 391<212> DNA<213> Vibrio cholerae plus artificial sequence<400> <223> <213>

In sequences 2 and 3 above the <213> response, primer is not valid. Valid <213> responses are:

- Genus species of organism
- Artificial sequence
- Unknown sequence

Unknown and Artificial sequences must be followed by <220>, <223> features to explain the source of genetic material in the sequences. <220> is a mandatory blank line feature, <223> is the explanation feature.

* note: primer would be a valid <223> response.



The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

VERIFICATION SUMMARY DATE: 02/09/2001
PATENT APPLICATION: US/09/771,536 TIME: 11:18:27

Input Set : A:\es.txt
Output Set: N:\CRF3\02092001\I771536.raw

L:2 M:283 W: Missing Blank Line separator, <120> field identifier
L:3 M:282 W: Numeric Field Identifier Missing, <140> CURRENT APPLICATION NUMBER: is Added.
L:0 M:201 W: Mandatory field data missing, FILE REFERENCE
L:3 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:21 M:252 E: No. of Seq. differs, <211>LENGTH:Input:0 Found:36 SEQ:2